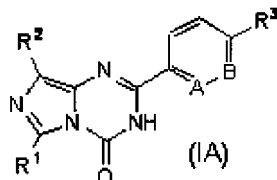


Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently amended) An ~~imidazotriazinone~~ compound represented by the following formula (IA):



wherein

A is N or CR⁴;

B is N or CH;

R¹ is substituted or unsubstituted cycloalkyl group or tert-butyl group;

R² is a hydrogen atom or C₁-C₆ alkyl group;

R³ is a hydrogen atom; nitro group; cyano group; a halogen atom; heteroaryl group, wherein the heteroaryl group is pyrrole, furyl, thienyl, imidazolyl, thiazolyl, pyrazinyl, indolyl, quinolinyl, isoquinolinyl, tetrazolyl, pyridinyl, pyrazolyl, pyridazinyl, or pyrimidinyl; substituted or unsubstituted C₁-C₆ alkyl group; substituted or unsubstituted C₂-C₆ alkenyl group; saturated or unsaturated heterocycloalkyl group which is substituted or unsubstituted; a group: -NR⁵R⁶, -C(O)R⁷, -SO₂R⁷, -OR⁸, -NR⁸COR⁷, -NR⁸SO₂R⁷;

R⁴ is a hydrogen atom or C₁-C₃ alkoxy group which is unsubstituted or substituted by one or more fluorine atom(s);

R⁵ and R⁶ are, same or different from each other, a hydrogen atom; substituted or unsubstituted C₁-C₆ alkyl group; substituted or unsubstituted acyl group; or substituted or unsubstituted heterocycloalkyl group;

R⁷ is a hydrogen atom; substituted or unsubstituted C₁-C₆ alkyl group; substituted or unsubstituted heterocycloalkyl group; OH; -OR⁸ or -NR⁵R⁶;

R⁸ is a hydrogen atom, substituted or unsubstituted C₁-C₆ alkyl group; or substituted or unsubstituted heterocycloalkyl group; or pharmaceutically acceptable salts thereof.

2. (Canceled)
3. (Canceled)
4. (Original) The compound according to claim 1, in which R¹ is substituted or unsubstituted C₃-C₈ cycloalkyl group.
5. (Previously presented) The compound according to claim 4, in which R¹ is cyclopentyl, cyclohexyl or cycloheptyl.
6. (Previously presented) The compound according to claim 1, in which A is CR⁴ wherein R⁴ is methoxy or ethoxy group.
7. (Previously presented) The compound according to claim 1, in which B is CH.
8. (Previously presented) The compound according to claim 1, in which R² is methyl group.
9. (Previously presented) The compound according to claim 1, in which R³ is a hydrogen atom; a halogen atom; saturated or unsaturated heterocycloalkyl group; an -NR⁵R⁶, -C(O)R⁷, or -SO₂R⁷ group, wherein R⁷ is OH, -OR⁸, -NR⁵R⁶ or a substituted or unsubstituted heterocycloalkyl group.
10. (Previously presented) A pharmaceutical composition comprising a compound according to claim 1, or pharmaceutically acceptable salts thereof as an active ingredient.
11. (Canceled)
12. (Previously presented) The compound of claim 1, wherein the compound is 6-cyclohexyl-2-(2-methoxyphenyl)-8-methylimidazo-[1,5-a][1,3,5]-triazin-4(3H)-one; or 6-cyclohexyl-2-(4-bromo-2-methoxyphenyl)-8-methylimidazo-[1,5-a][1,3,5]triazin-4(3H)-one.

13. (Previously presented) The compound of claim 1, wherein the compound is 6-cyclohexyl-2-[2-methoxy-4-(1-piperazinyl)phenyl]-8-methylimidazo-[1,5-a][1,3,5]triazin-4(3H)-one; or 6-cyclohexyl-2-[2-methoxy-4-(4-methyl-1-piperazinyl)phenyl]-8-methylimidazo-[1,5-a][1,3,5]triazin-4(3H)-one.
14. (Previously presented) The compound of claim 1, wherein the compound is 2-[4-(4-amino-1-piperidinyl)-2-methoxyphenyl]-6-cyclohexyl-8-methylimidazo[1,5-a][1,3,5]triazin-4(3H)-one; 6-cyclohexyl-2-{2-methoxy-4-[4-(methylamino)-1-piperidinyl]phenyl}-8-methylimidazo[1,5-a][1,3,5]triazin-4(3H)-one; 6-cyclohexyl-2-{4-[4-(dimethylamino)-1-piperidinyl]-2-methoxy-phenyl}-8-methylimidazo[1,5-a][1,3,5]triazin-4(3H)-one; or 6-cyclohexyl-2-[4-(4-hydroxy-1-piperidinyl)-2-methoxyphenyl]-8-methylimidazo[1,5-a][1,3,5]triazin-4(3H)-one.
15. (Previously presented) The compound of claim 1, wherein the compound is 6-cyclohexyl-2-[4-(1,4-diazepan-1-yl)-2-methoxyphenyl]-8-methylimidazo[1,5-a][1,3,5]triazin-4(3H)-one; or 6-cyclohexyl-2-[2-methoxy-4-(4-methyl-1,4-diazepan-1-yl)phenyl]-8-methylimidazo[1,5-a][1,3,5]triazin-4(3H)-one.
16. (Previously presented) The compound of claim 1, wherein the compound is 6-cyclohexyl-2-{4-[(4-hydroxy-1-piperidinyl)sulfonyl]-2-methoxyphenyl}-8-methylimidazo[1,5-a][1,3,5]triazin-4(3H)-one; 6-cyclohexyl-2-[2-methoxy-4-(1-piperazinylsulfonyl)phenyl]-8-methylimidazo (1,5-a)[1,3,5]triazin-4 (3H)-one; 6-cyclohexyl-2-{2-methoxy-4-[(4-methyl-1-piperazinyl)sulfonyl]-phenyl}-8-methylimidazo[1,5-a][1,3,5]triazin-4(3H)-one; 6-cyclohexyl-2-[4-(1,4-diazepan-1-ylsulfonyl)-2-methoxyphenyl]-8-methylimidazo [1,5-a][1,3,5]triazin-4(3H)-one; or 6-cyclohexyl-2-{2-methoxy-4-[(4-methyl-1,4-diazepam-1-yl)sulfonyl]-phenyl}-8-methylimidazo[1,5-a][1,3,5]triazin-4(3H)-one.
17. (Previously presented) The compound of claim 16, wherein the compound is 6-cyclohexyl-2-{4-[(4-hydroxy-1-piperidinyl)sulfonyl]-2-methoxyphenyl}-8-methylimidazo[1,5-a][1,3,5]triazin-4(3H)-one.

18. (Previously presented) The compound of claim 16, wherein the compound is 6-cyclohexyl-2-[2-methoxy-4-(1-piperazinylsulfonyl)phenyl]-8-methylimidazo [1,5-a][1,3,5]triazin-4(3H)-one; or 6-cyclohexyl-2-{2-methoxy-4-[(4-methyl-1-piperazinyl)sulfonyl]-phenyl}-8-methylimidazo[1,5-a][1,3,5]triazin-4(3H)-one.
19. (Previously presented) The compound of claim 16, wherein the compound is 6-cyclohexyl-2-[4-(1,4-diazepan-1-ylsulfonyl)-2-methoxyphenyl]-8-methylimidazo[1,5-a][1,3,5]triazin-4(3H)-one; or 6-cyclohexyl-2-{2-methoxy-4-[(4-methyl-1,4-diazepan-1-yl)sulfonyl]-phenyl}-8-methylimidazo[1,5-a][1,3,5]triazin-4(3H)-one.
20. (Previously presented) The compound of claim 1, wherein the compound is 6-cyclohexyl-2-(2-ethoxyphenyl)-8-methylimidazo[1,5-a][1,3,5]-triazin-4(3H)-one.
21. (Previously presented) The compound of claim 1, wherein the compound is 6-cyclohexyl-2-[2-ethoxy-4-(1-piperazinyl)phenyl]-8-methylimidazo[1,5-a][1,3,5]triazin-4(3H)-one; or 6-cyclohexyl-2-[2-ethoxy-4-(4-methyl-1-piperazinyl)phenyl]-8-methylimidazo[1,5-a][1,3,5]triazin-4(3H)-one.
22. (Previously presented) The compound of claim 1, wherein the compound is 2-[4-(4-amino-1-piperidinyl)-2-ethoxyphenyl]-6-cyclohexyl-8-methylimidazo[1,5-a][1,3,5]triazin-4(3H)-one; 6-cyclohexyl-2-{2-ethoxy[4-(methylamino)-1-piperidinyl]phenyl}-8-methylimidazo[1,5-a][1,3,5]triazin-4(3H)-one; 6-cyclohexyl-2-{4-[4-(dimethylamino)-1-piperidinyl]-2-ethoxy-phenyl}-8-methylimidazo[1,5-a][1,3,5]triazin-4(3H)-one; or 6-cyclohexyl-2-[4-(4-hydroxy-1-piperidinyl)-2-ethoxyphenyl]-8-methylimidazo[1,5-a][1,3,5]triazin-4(3H)-one.
23. (Previously presented) The compound of claim 1, wherein the compound is 6-cyclohexyl-2-[4-(1,4-diazepan-1-yl)-2-ethoxyphenyl]-8-methylimidazo[1,5-a][1,3,5]triazin-4(3H)-one; or 6-cyclohexyl-2-[2-ethoxy-4-(4-methyl-1,4-diazepan-1-yl)phenyl]-8-methylimidazo[1,5-a][1,3,5]triazin-4(3H)-one.

24. (Previously presented) The compound of claim 1, wherein the compound is 6-cyclohexyl-2-{4-[(4-hydroxy-1-piperidinyl)sulfonyl]-2-ethoxy-phenyl}-8-methylimidazo[1,5-a][1,3,5]triazin-4(3H)-one; 6-cyclohexyl-2-[2-ethoxy-4-(1-piperazinylsulfonyl)phenyl]-8-methylimidazo[1,5-a][1,3,5]triazin-4(3H)-one; 6-cyclohexyl-2-{2-ethoxy-4-[(4-methyl-1-piperazinyl)sulfonyl]-phenyl}-8-methylimidazo[1,5-a][1,3,5]triazin-4(3H)-one; 6-cyclohexyl-2-[4-(1,4-diazepan-1-ylsulfonyl)-2-ethoxyphenyl]-8-methylimidazo[1,5-a][1,3,5]triazin-4(3H)-one; or 6-cyclohexyl-2-{2-ethoxy-4-[(4-methyl-1,4-diazepan-1-yl)sulfonyl]-phenyl}-8-methylimidazo[1,5-a][1,3,5]triazin-4(3H)-one.
25. (Previously presented) The compound of claim 24, wherein the compound is 6-cyclohexyl-2-{4-[(4-hydroxy-1-piperidinyl)sulfonyl]-2-ethoxy-phenyl}-8-methylimidazo[1,5-a][1,3,5]triazin-4(3H)-one.
26. (Previously presented) The compound of claim 24, wherein the compound is 6-cyclohexyl-2-[2-ethoxy-4-(1-piperazinylsulfonyl)phenyl]-8-methylimidazo[1,5-a][1,3,5]triazin-4(3H)-one; or 6-cyclohexyl-2-{2-ethoxy-4-[(4-methyl-1-piperazinyl)sulfonyl]-phenyl}-8-methylimidazo[1,5-a][1,3,5]triazin-4(3H)-one.
27. (Previously presented) The compound of claim 24, wherein the compound is 6-cyclohexyl-2-[4-(1,4-diazepan-1-ylsulfonyl)-2-ethoxyphenyl]-8-methylimidazo[1,5-a][1,3,5]triazin-4(3H)-one; or 6-cyclohexyl-2-{2-ethoxy-4-[(4-methyl-1,4-diazepan-1-yl)sulfonyl]-phenyl}-8-methylimidazo[1,5-a][1,3,5]triazin-4(3H)-one.